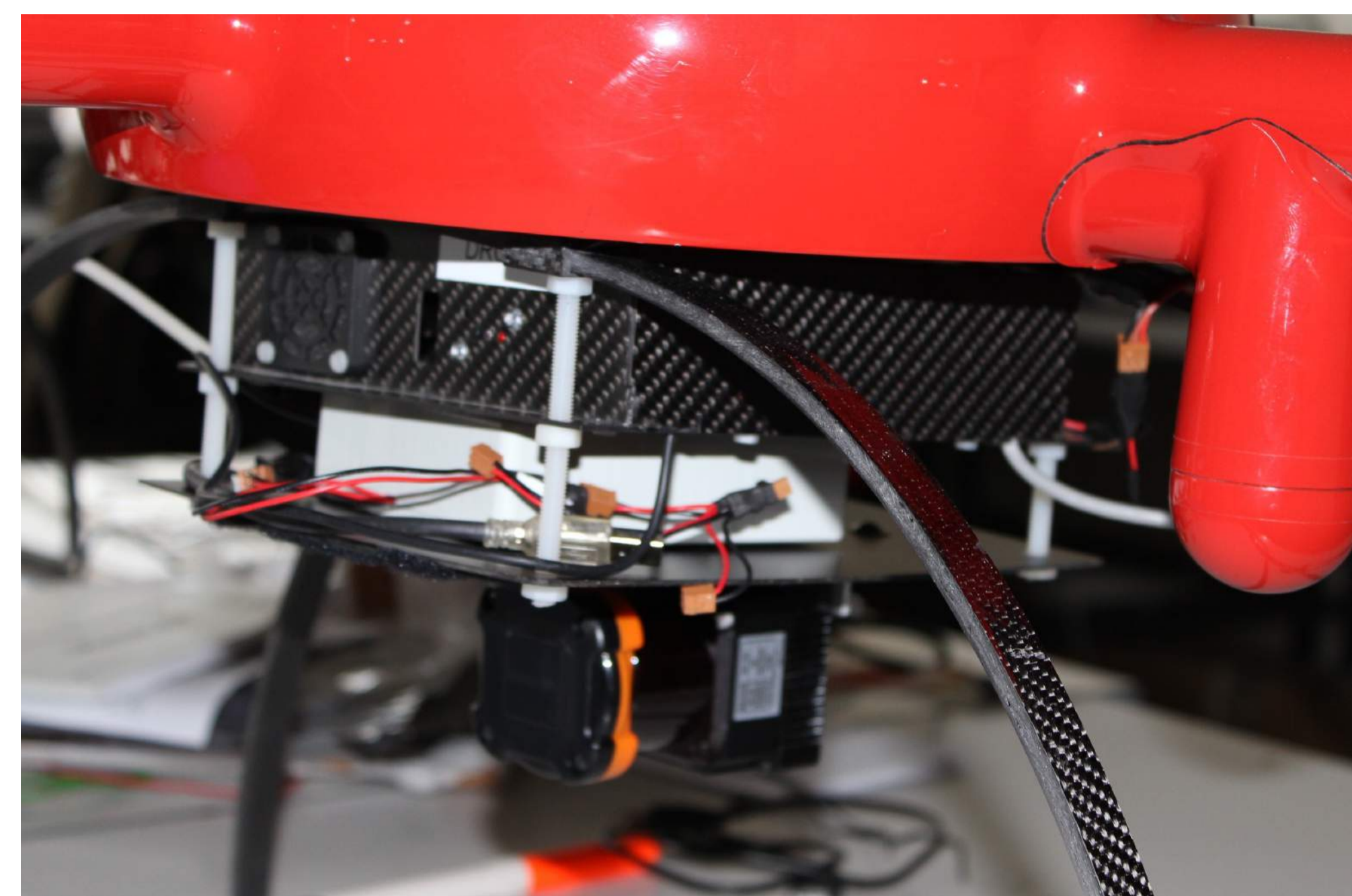


3D measurement with micro-UAVs

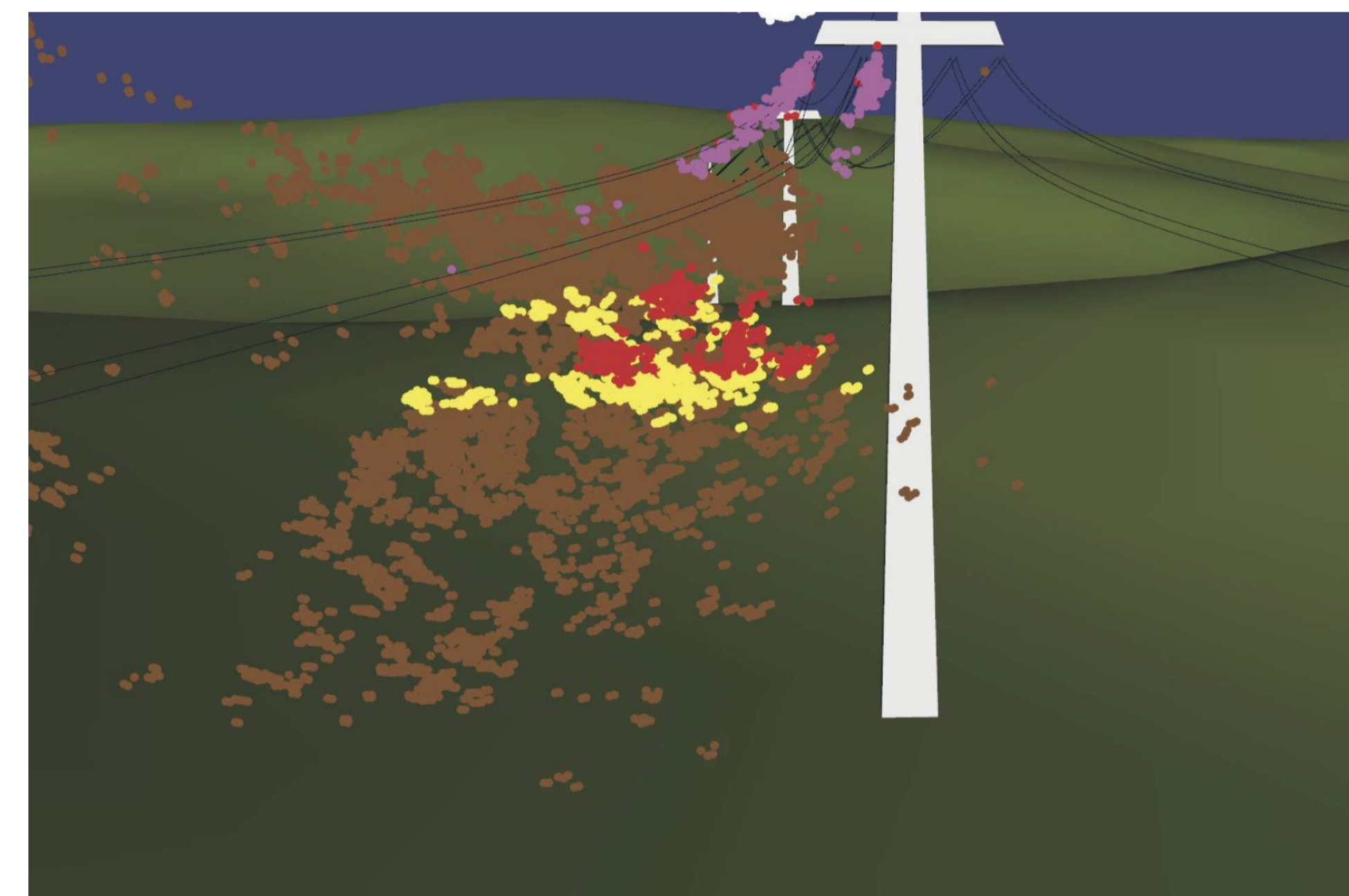
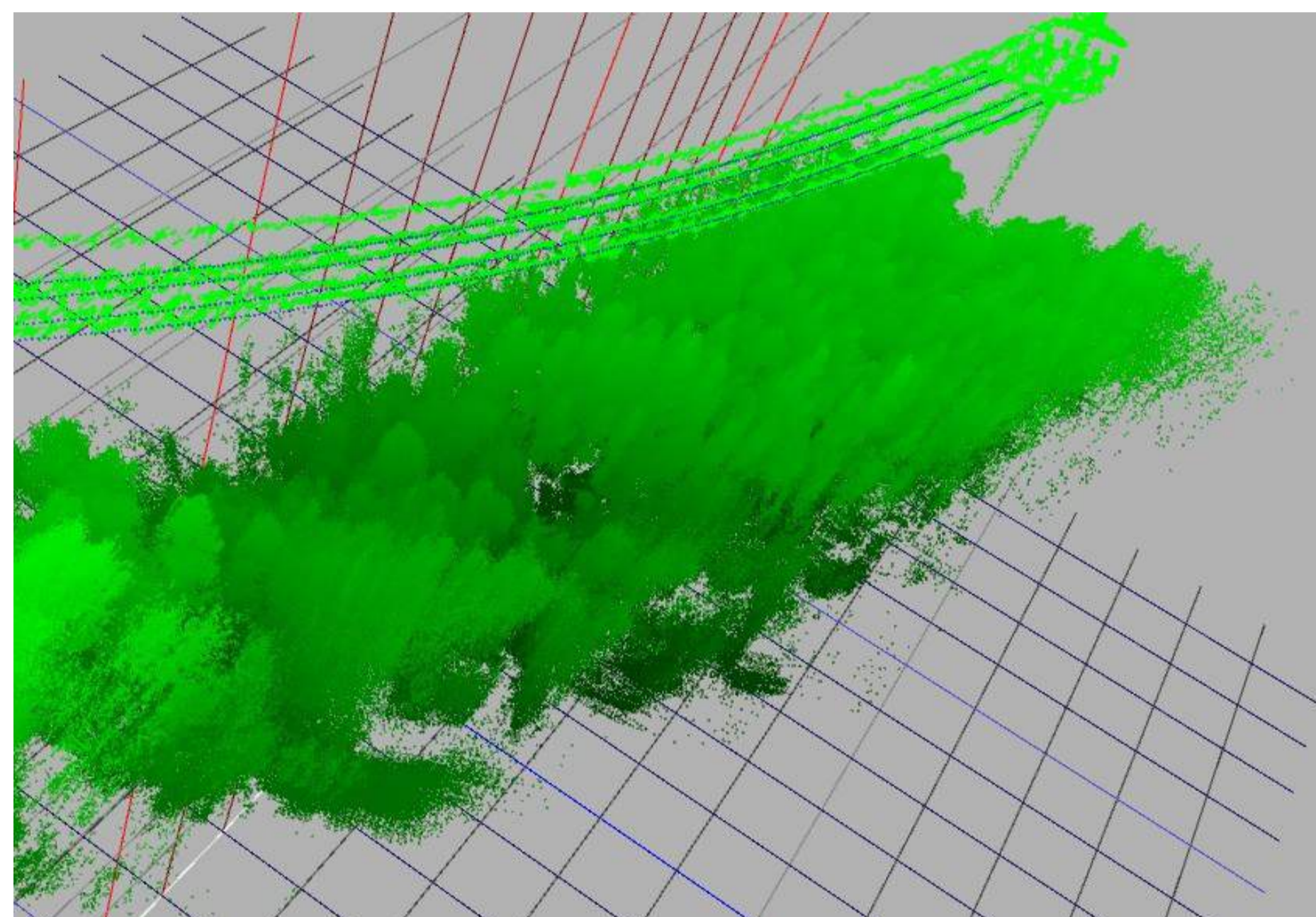
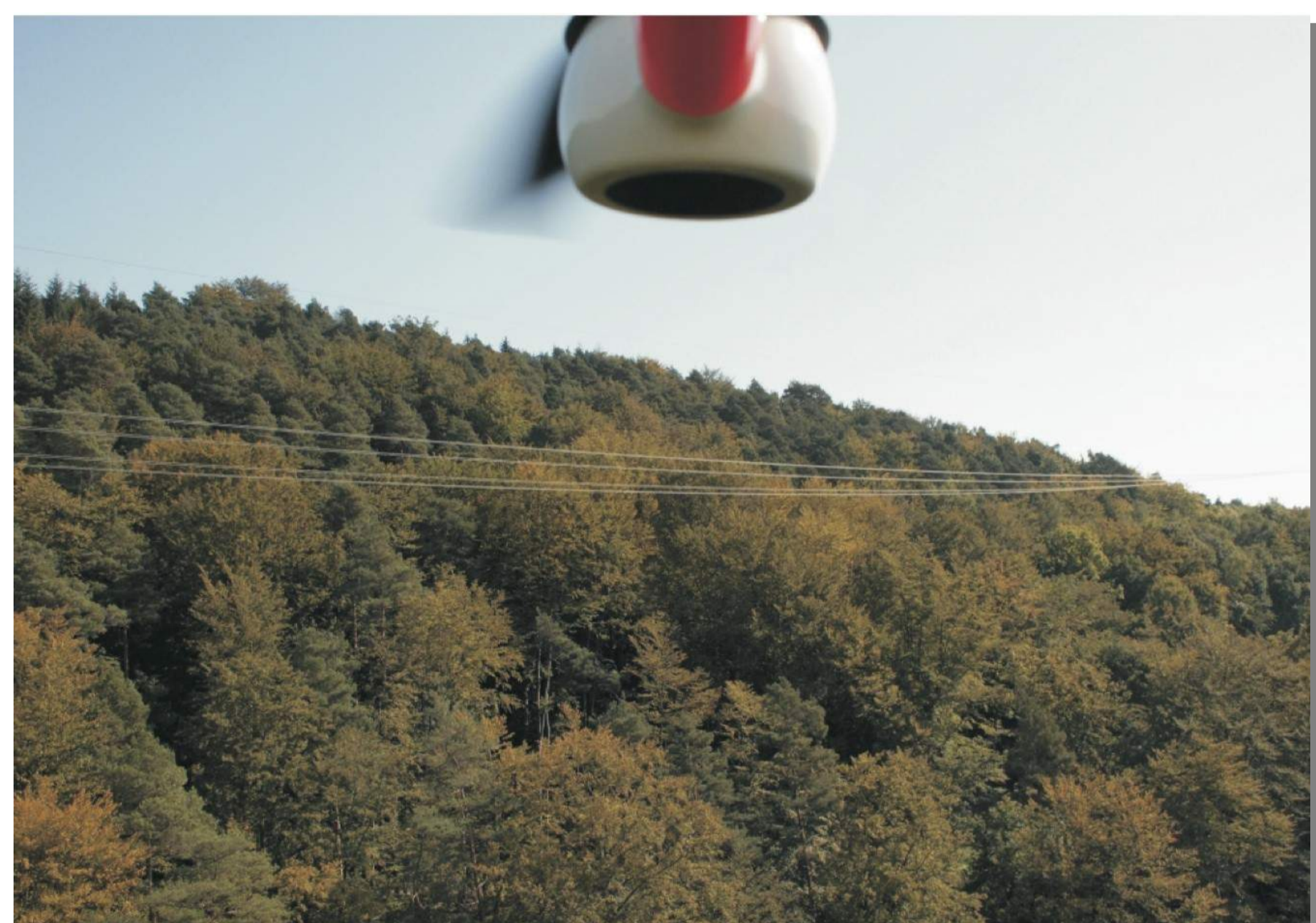


Modular System

Embedded Computer
Laserscanner
Different UAVs possible

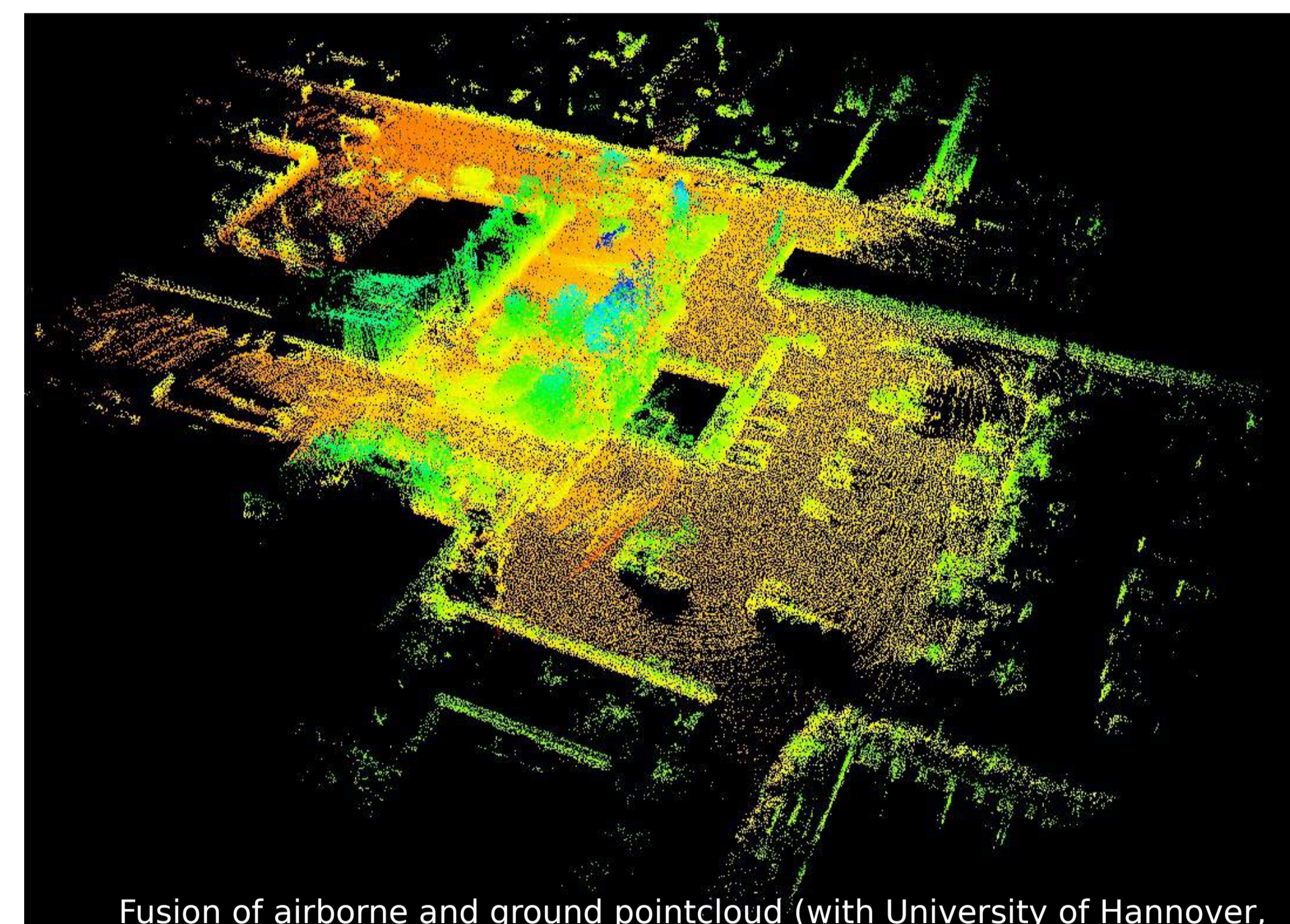
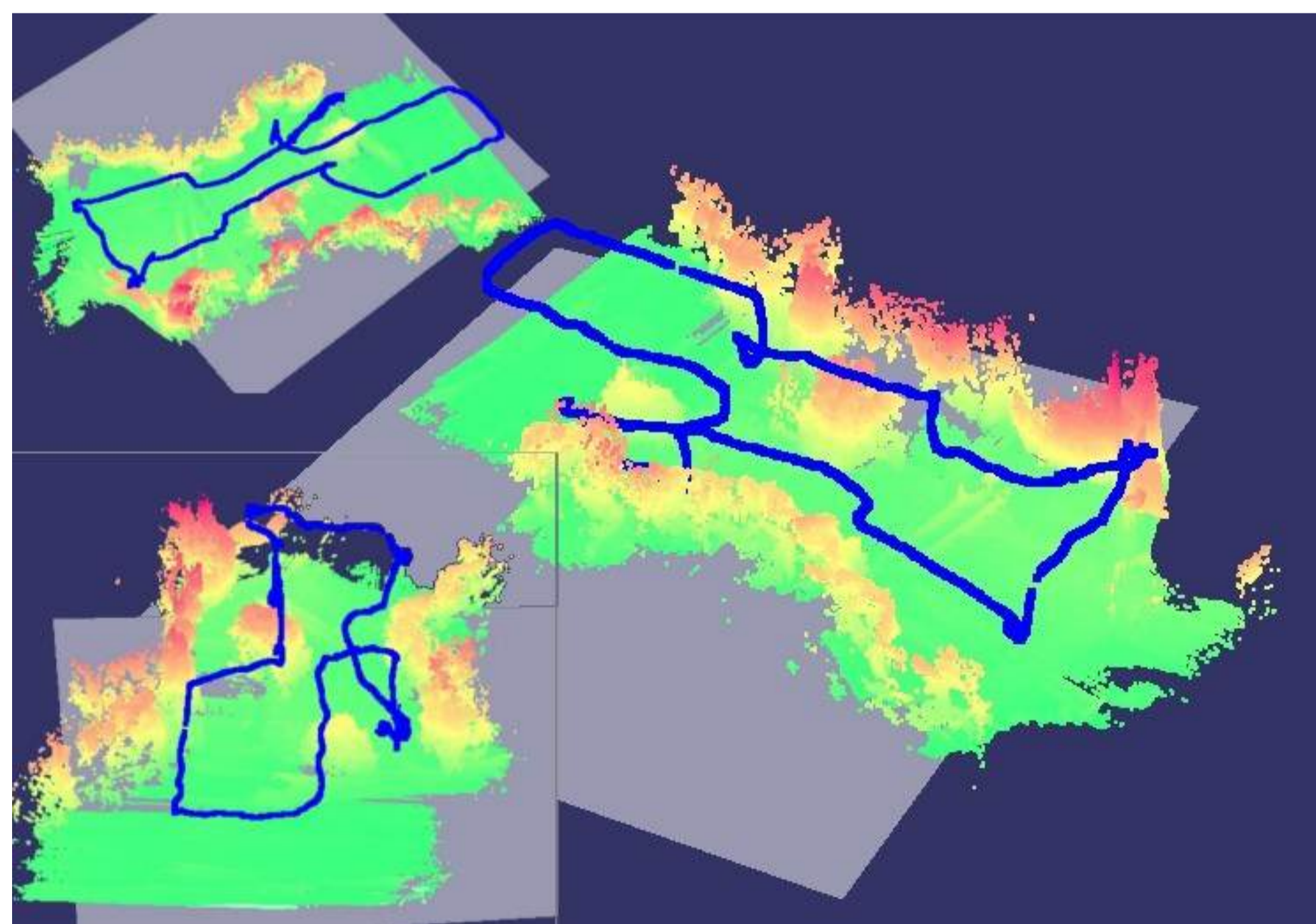
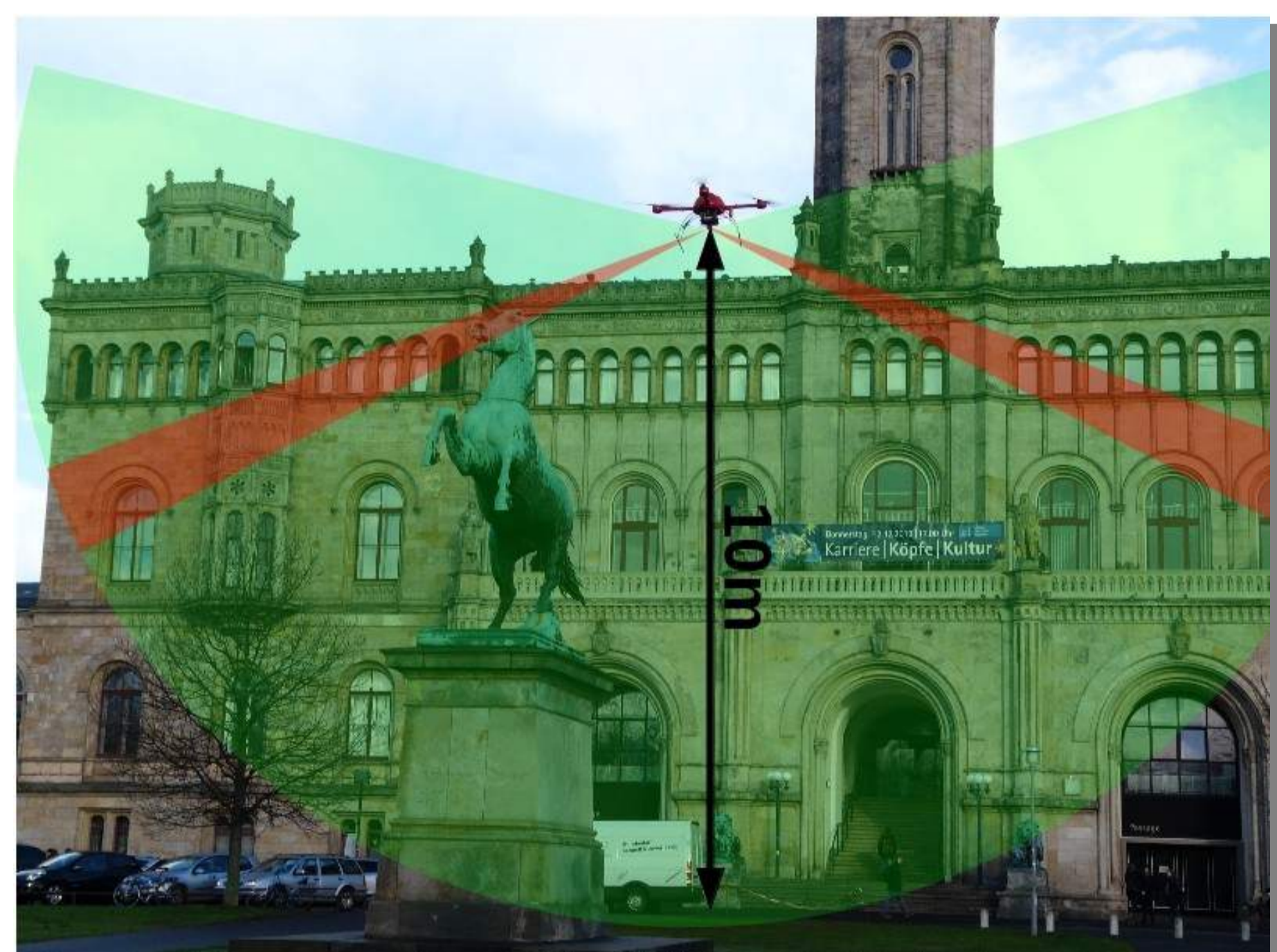


Vegetation Detection at High-Voltage Transmission Lines

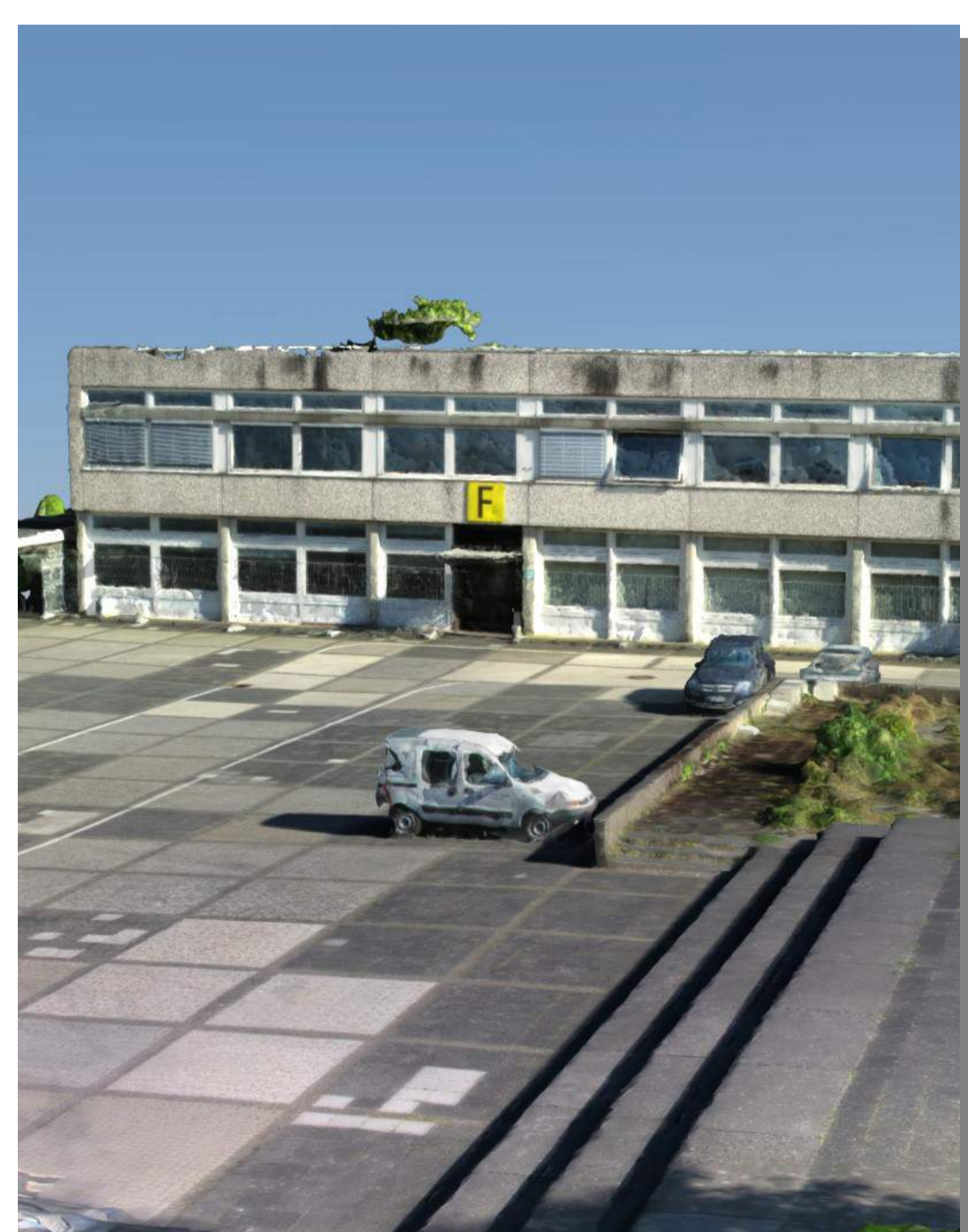


Trees in the environment of High-Voltage Transmission Lines have to be cut down if they come below a safety distance to the power lines.

Generation of 3D environment models



Fusion of airborne and ground pointcloud (with University of Hannover).



The Institute investigated the generation of 3D-models with quadrocopters to increase the information content of aerial photos.